

# Special Invited Session 14

## Micro-Nano Chemical Sensor

As a critical branch of micro-nano engineering, micro-nano chemical sensors have undergone rapid development over the past decade, driven by advances in nanomaterials, microfabrication, and signal transduction technologies. These innovations have enabled highly sensitive, selective, and miniaturized sensing platforms capable of detecting trace-level chemical and biochemical analytes. Emerging micro-nano chemical sensors, including electrochemical, optical, and hybrid systems, offer unique advantages such as fast response, low power consumption, and seamless integration with wearable, implantable, and point-of-care devices. Consequently, they play an increasingly important role in applications ranging from health monitoring and precision medicine to environmental surveillance and smart systems. This session focuses on recent progress, novel designs, and key findings in micro-nano chemical sensors and their integration into intelligent sensing platforms.

### Special Invited Session Chairs .....



**Cui Ye**

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### Paper Submission .....

For the initial submission, the authors can select one of the following two types:

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### Important Dates .....

Initial Submission (Full Paper or Extended Abstract)	Jan. 10, 2026
Notification of Acceptance	Feb. 10, 2026
Late-News Submission Deadline	Feb. 28, 2026
Early Registration Deadline	Mar. 10, 2026
Presentation-Only Submission Deadline	Mar. 10, 2026
Final Submission Deadline	Mar. 10, 2026

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